

APPENDIX C-4  
APPLICATION OF HARRINGTON ET AL. CLAIMS TO THE  
DISCLOSURE OF HARRINGTON ET AL. APPLICATION 09/263,814

Harrington et al. Claim 271

Harrington et al. Disclosure

A method to activate expression of an  
endogenous gene in an isolated eukaryotic  
cell comprising

Abstract  
10:1  
10:15-21  
43:2-3  
50:15-17  
51:16  
52:1-2  
53:14-20, 21-24

introducing a vector construct into said  
isolated eukaryotic cell,

Figures 1-4  
14:28-30  
40:1-11  
50:24-26  
53:14-20

said vector construct comprising in operable  
combination

Figures 1-4  
6:18-20  
34:17-28  
35:29-38:4  
44:3  
44:25-45:9

1) a promoter;

42:19-22

2) an exon sequence located 3' from and  
expressed by said promoter

Figures 1-4  
34:17-28  
35:29-38:4  
44:3  
44:25-45:9

said exon being derived from a naturally  
occurring eukaryotic gene

44:3-24

and not being a screenable marker gene; and

44:16-18  
45:16-19  
46:30-47:2  
47:10-13

3) a splice donor sequence defining the 3' region of said exon	44:16-18
said splice donor sequence being derived from a naturally-occurring eukaryotic gene;	45:20-25
wherein said vector construct is non-homologously incorporated into the genome of a said isolated eukaryotic cell	28:1-12 31:17-20 45:28-30
and said splice donor sequence of the transcript encoded by said exon is spliced to a splice acceptor sequence of said endogenous gene.	45:26-46:4